The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A limiter-comprising: semiconductor device comprising a limiter.

wherein the limiter includes:

a transistor including a semiconductor layer, a floating gate and a control gate,

wherein the floating gate is formed over the semiconductor layer with a first insulating film interposed therebetween;

the floating gate and the control gate of the transistor overlap each other with a second insulating film interposed therebetween;

a side surface of the floating gate is covered with a third insulating film;

a drain of the transistor is connected to the control gate; and

the drain and the control gate are connected to an input terminal and an output terminal, [[and]]

wherein the floating gate is electrically floating, and

wherein the limiter is configured to change a limit voltage by controlling an amount of charge accumulated in the floating gate.

2. (Currently Amended) A limiter comprising: semiconductor device comprising a limiter,

wherein the limiter includes:

a transistor including a semiconductor layer, a floating gate and a control gate,

wherein the floating gate is formed over the semiconductor layer with a first insulating film interposed therebetween;

the floating gate and the control gate of the transistor overlap each other with a second insulating film interposed therebetween;

- a side surface of the floating gate is covered with a third insulating film;
- a drain of the transistor is connected to the control gate; and
- a source of the transistor is connected to an input terminal and an output terminal, [[and]]

wherein the floating gate is electrically floating, and

wherein the limiter is configured to change a limit voltage by controlling an amount of charge accumulated in the floating gate.

3. (Currently Amended) A limiter comprising: semiconductor device comprising a limiter,

wherein the limiter includes:

a plurality of transistors each including a semiconductor layer, a floating gate and a control gate,

wherein the floating gate of each of the plurality of transistors is formed over the semiconductor layer of each of the plurality of transistors with a first insulating film interposed therebetween;

the floating gate and the control gate of each of the plurality of transistors overlap each other with a second insulating film interposed therebetween;

a side surface of the floating gate of each of the plurality of transistors is covered with a third insulating film;

a drain of each of the plurality of transistors is connected to the control gate of each of the plurality of transistors;

the plurality of transistors are connected in series so as to have the same forward current direction; and

the drain and the control gate of one of the plurality of transistors are connected to an input terminal and an output terminal, [[and]]

wherein the floating gate of each of the plurality of transistors is electrically floating, and

wherein the limiter is configured to change a limit voltage by controlling an amount of charge accumulated in the floating gate.

4. (Currently Amended) A limiter comprising: semiconductor device comprising a limiter,

wherein the limiter includes:

a plurality of transistors each including a semiconductor layer, a floating gate and a control gate,

wherein the floating gate of each of the plurality of transistors is formed over the semiconductor layer of each of the plurality of transistors with a first insulating film interposed therebetween;

the floating gate and the control gate of each of the plurality of transistors overlap each other with a second insulating film interposed therebetween;

a side surface of the floating gate of each of the plurality of transistors is covered with a third insulating film;

a drain of each of the plurality of transistors is connected to the control gate of each of the plurality of transistors;

the plurality of transistors are connected in series so as to have the same forward current direction; and

a source of one of the plurality of transistors is connected to an input terminal and an output terminal, [[and]]

wherein the floating gate of each of the plurality of transistors is electrically floating, and

wherein the limiter is configured to change a limit voltage by controlling an amount of charge accumulated in the floating gate.

5. (Currently Amended) A limiter comprising: semiconductor device comprising a limiter,

wherein the limiter includes:

- a first transistor, and
- a second transistor,

wherein a floating gate of the first transistor is formed over a semiconductor layer of the first transistor with a first insulating film interposed therebetween;

the floating gate and a control gate of the first transistor overlap each other with a second insulating film interposed therebetween;

a side surface of the floating gate of the first transistor is covered with a third insulating film;

a drain of the first transistor is connected to the control gate of the first transistor;

a drain of the second transistor is connected to a gate of the second transistor;

the first transistor and the second transistor are connected in series so as to have the same forward current direction; and

the drain of the second transistor and the control gate are connected to an input terminal and an output terminal, [[and]]

wherein the floating gate of the first transistor is electrically floating, and wherein the limiter is configured to change a limit voltage by controlling an amount of charge accumulated in the floating gate.

6. (Currently Amended) A limiter comprising: semiconductor device comprising a limiter,

wherein the limiter includes:

- a first transistor, and
- a second transistor,

wherein a floating gate of the first transistor is formed over a semiconductor layer of the first transistor with a first insulating film interposed therebetween;

the floating gate and a control gate of the first transistor overlap each other with a second insulating film interposed therebetween;

a side surface of the floating gate of the first transistor is covered with a third insulating film;

a drain of the first transistor is connected to the control gate of the first transistor;

a drain of the second transistor is connected to a gate of the second transistor;

the first transistor and the second transistor are connected in series so as to have the same forward current direction; and

a source of the second transistor is connected to an input terminal and an output terminal, [[and]]

wherein the floating gate of the first transistor is electrically floating, and wherein the limiter is configured to change a limit voltage by controlling an amount of charge accumulated in the floating gate.

- 7. (Currently Amended) The limiter semiconductor device according to claim 1 further comprising a connecting terminal, wherein the connecting terminal is connected to the drain of the transistor.
- 8. (Currently Amended) The limiter semiconductor device according to claim 1 further comprising a resistor, wherein the drain of the transistor is connected to the input terminal through the resistor.
- 9. (Currently Amended) The limiter semiconductor device according to claim 1, wherein the transistor is a thin film transistor.
 - 10. (Currently Amended) A semiconductor device comprising: an integrated circuit, and an antenna connected to the integrated circuit,

wherein the integrated circuit includes a limiter;

the limiter includes a transistor;

a floating gate of the transistor is formed over a semiconductor layer of the transistor with a first insulating film interposed therebetween;

the floating gate and a control gate of the transistor overlap each other with a second insulating film interposed therebetween;

- a side surface of the floating gate is covered with a third insulating film;
- a drain of the transistor is connected to the control gate; and

the drain and the control gate are connected to an input terminal and an output terminal, [[and]]

wherein the floating gate is electrically floating, and

wherein the limiter is configured to change a limit voltage by controlling an amount of charge accumulated in the floating gate.

11. (Currently Amended) A semiconductor device comprising an integrated circuit and an antenna connected to the integrated circuit,

wherein the integrated circuit includes a limiter, a pulse generation circuit for controlling a limit voltage of the limiter, and a booster circuit for supplying a power supply voltage to the pulse generation circuit;

the limiter includes a transistor;

a floating gate of the transistor is formed over a semiconductor layer of the transistor with a first insulating film interposed therebetween;

the floating gate and a control gate of the transistor overlap each other with a second insulating film interposed therebetween;

- a side surface of the floating gate is covered with a third insulating film;
- a drain of the transistor is connected to the control gate; and

the drain and the control gate are connected to an input terminal and an output terminal, [[and]]

wherein the floating gate is electrically floating, and wherein the limiter is configured to change the limit voltage by controlling an amount of charge accumulated in the floating gate.

- 12. (Original) The semiconductor device according to claim 10 or 11, wherein the transistor is a thin film transistor.
- 13. (Previously Presented) The semiconductor device according to claim 10 or 11 further comprising a resistor, wherein the drain of the transistor is connected to the input terminal through the resistor.
- 14. (Currently Amended) The limiter semiconductor device according to claim 2 further comprising a connecting terminal, wherein the connecting terminal is connected to the source of the transistor.
- 15. (Currently Amended) The limiter semiconductor device according to claim 3 further comprising a connecting terminal, wherein the connecting terminal is connected to the drain of the one of the plurality of transistors.
- 16. (Currently Amended) The limiter semiconductor device according to claim 4 further comprising a connecting terminal, wherein the connecting terminal is connected to the source of the one of the plurality of transistors.
- 17. (Currently Amended) The limiter semiconductor device according to claim 5 further comprising a connecting terminal, wherein the connecting terminal is connected to the drain of the second transistor.

- 18. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 6 further comprising a connecting terminal, wherein the connecting terminal is connected to the source of the second transistor.
- 19. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 2 further comprising a resistor, wherein the source of the transistor is connected to the input terminal through the resistor.
- 20. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 3 further comprising a resistor, wherein the drain of the one of the plurality of transistors is connected to the input terminal through the resistor.
- 21. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 4 further comprising a resistor, wherein the source of the one of the plurality of transistors is connected to the input terminal through the resistor.
- 22. (Currently Amended) The limiter semiconductor device according to claim 5 further comprising a resistor, wherein the drain of the second transistor is connected to the input terminal through the resistor.
- 23. (Currently Amended) The limiter semiconductor device according to claim 6 further comprising a resistor, wherein the source of the second transistor is connected to the input terminal through the resistor.
- 24. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 2, wherein the transistor is a thin film transistor.

- 25. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 3, wherein the plurality of transistors are thin film transistors.
- 26. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 4, wherein the plurality of transistors are thin film transistors.
- 27. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 5, wherein the second transistor is a thin film transistor.
- 28. (Currently Amended) The <u>limiter semiconductor device</u> according to claim 6, wherein the second transistor is a thin film transistor.